

## *New Plantation Technology for Coal Mine Degraded Land*

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### **RFRI organised Workshop on ‘Reclamation of coal mined land using integrated biological approach’.**

Rain Forest Research Institute (RFRI), Jorhat conducted a workshop on ‘Reclamation of coal mined land using integrated biological approach’ at Conference Hall, North Eastern Coalfields, Margherita on 24<sup>th</sup> September, 2021. A total of 30 participants of North Eastern Coalfields, Coal India Limited, Margherita attended the day long training programme. The workshop was conducted under a project on ‘Reclamation of coal mined land raising plantation with integrated biological approach’ conducted during 2018 to 2021 to establish plantation in coal mined land funded by Ministry of Coal, Government of India. During the workshop RFRI transferred the package of practice for establishment of successful vegetation in coal mined land through a presentation by Dr. Dandeswar Dutta on ‘**Seed ball technology adopted for soil stabilization in coalmine reclamation programme**’ and Dr. Prosanta Hazarika on ‘**Plantation technology for Reclamation of coal mined land using integrated biological approach**’ to the participants followed by a field demonstration to the officials of Tikak & Tirap Collieries, Environment and Forest Cell of North Eastern Coalfields, Margherita by Protul Hazarika.

Shri S. P. Dutta, General Manager, North Eastern Coalfields, Coal India Ltd, Margherita attended the workshop as Chief guest and released a RFRI report namely ‘**Seed Ball Technology for Restoration of Coal Mined Land**’ and also urged the participants to take benefit of the technology given by RFRI for plantation in the coal mined land. Other dignitaries present in the workshops were Shri Sarat Mukharjee, Agent, Tikak Colliery, Lily Gogoi, Head, Environment and Forest Section, NEC, CIL, Margherita who also expressed their happiness while addressing the participants that the plantation raised by RFRI, Jorhat was successful one and will be adopted for reclamation of mined areas in North Eastern Coalfields.



Coal mined site before plantation



Coal mined site one and half year's after plantation



Coal mined site before plantation



Coal mined site one and half year's after plantation



OBD area prior to seed balls sowing



Same OBD after 2 months of seed balls sowing



Present scenario of backfilled OBD after 1 year of sowing seed balls



### Survival and growth of plants from seed balls at Tikak Colliery, Margherita



Performance of plant species under different treatments



An overview of plantation site (Coal Mined land) after 2 years